

Title: "Data Collection System"
\_\_ Inventors: Monroe et al. Application No.: 09/400,624 Docket
Blakely, Sokoloff, Taylor & Zafman 303-740-1980 Docket No.: 42P11599

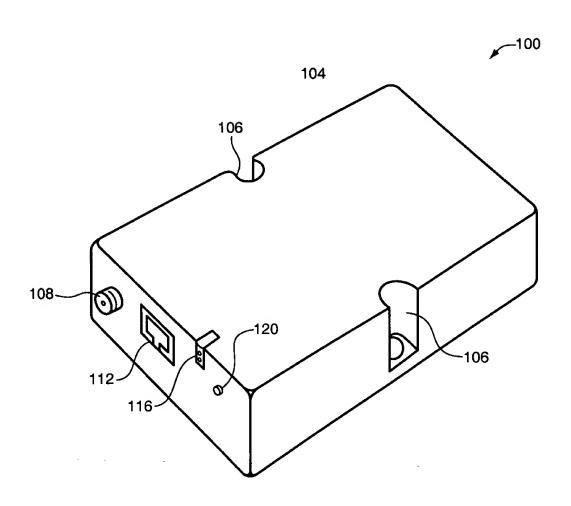


FIG. 1



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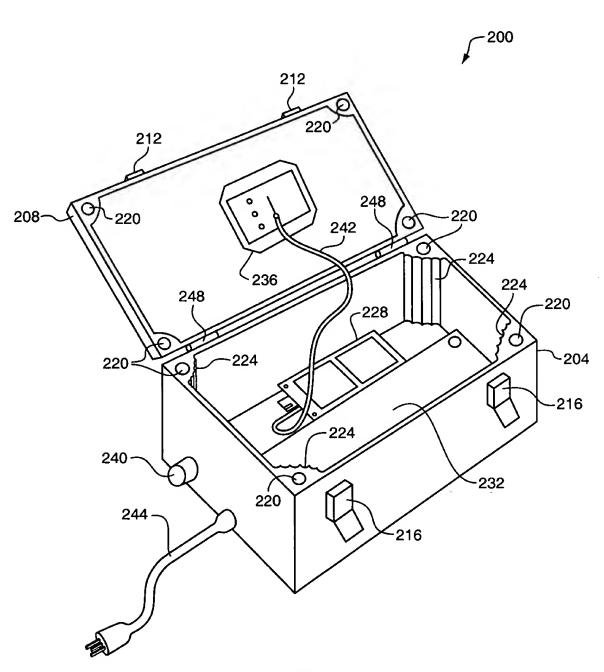


FIG. 2



Inventors: Monroe et al. Application No.: 09/400,624 Docket No.: 42P11599 Blakely, Sokoloff, Taylor & Zafman 303-740-1980

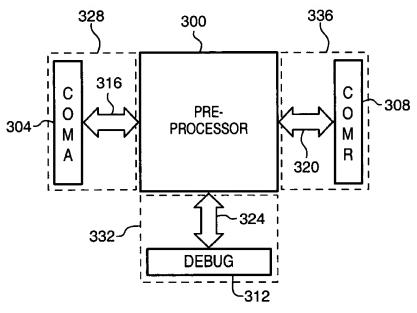


FIG. 3

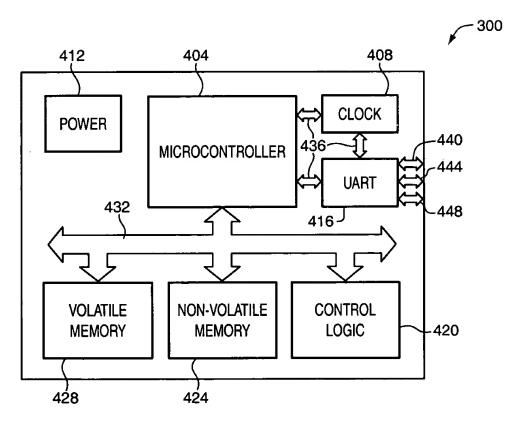


FIG. 4



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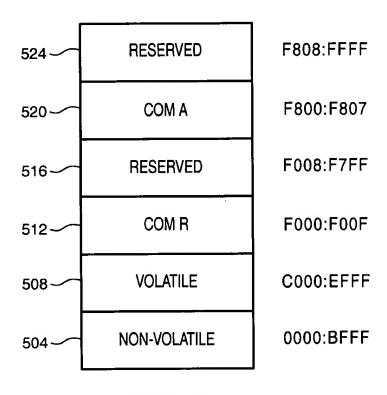


FIG. 5

**MEMORY MAP** 



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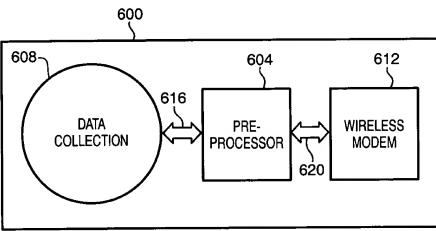


FIG. 6A

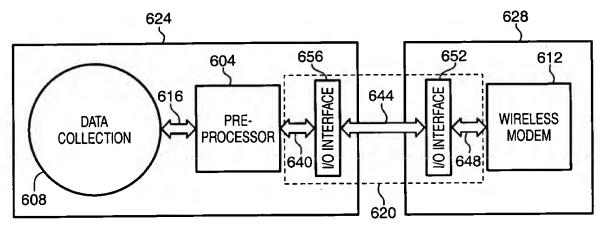


FIG. 6B

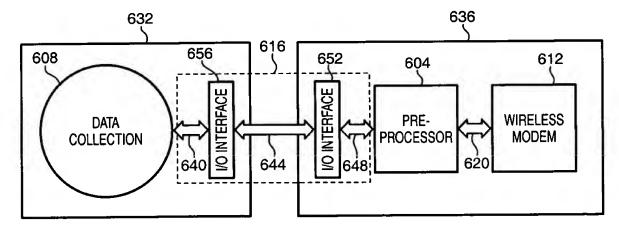


FIG. 6C



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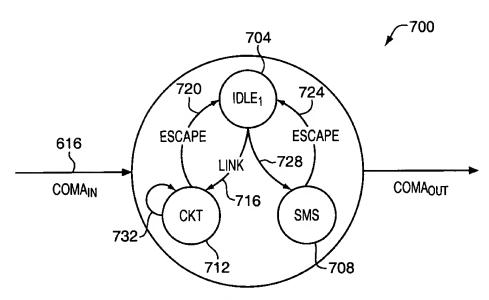


FIG. 7A

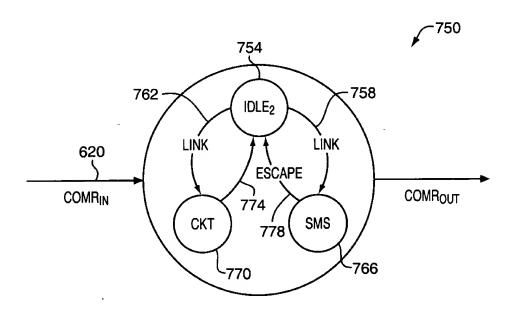
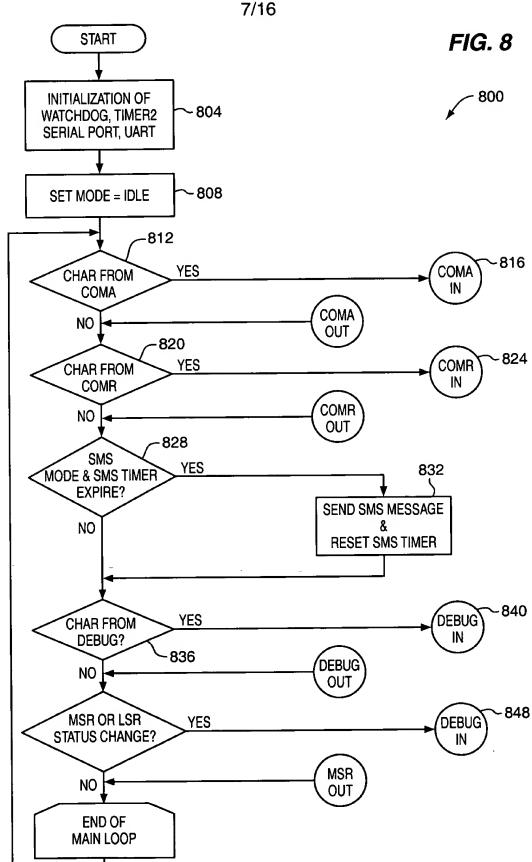


FIG. 7B



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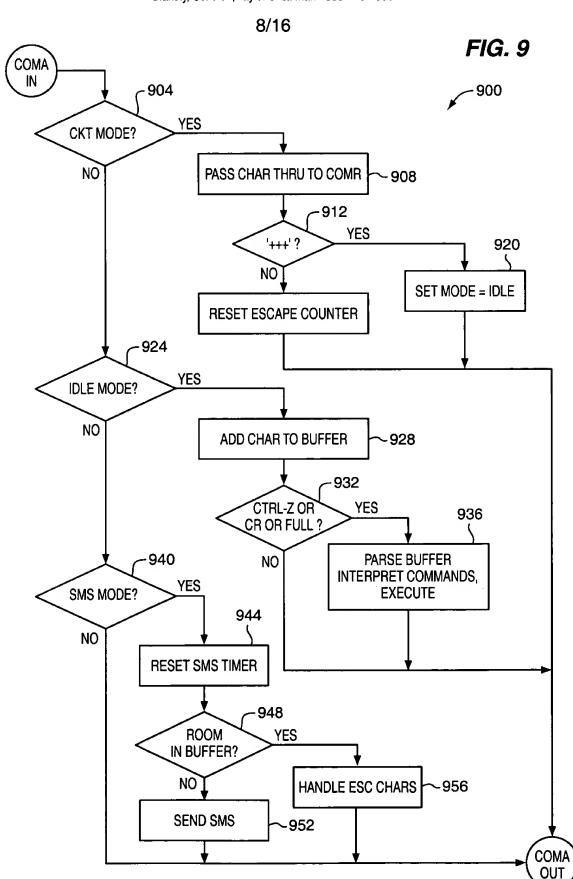


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Title: "Data Collection System" MAR 1 1 203 % Inventors: Monroe et al. Application No.: 09/400,624 Docket No.: 42P11599 TAADRAN AN Blakely, Sokoloff, Taylor & Zafman 303-740-1980 9/16 COMR FIG. 10 IN 1004 YES ij -1000 CKT MODE? NO PASS CHAR THRU TO COMA ~1008 -1012 YES '+++' ? NO. SET MODE = IDLE -1020 1016~ RESET ESCAPE COUNTER 1024 YES **IDLE MODE?** 1028 **-1040 READ IN MESSAGE** PASS CHAR THRU NO TO COMA 1044 EST LINK YES 1032-1052 OR LINK\_EST? YES +CMT:? NO MODE = NO ] SMS MODE **RESET ESCAPE OUTPUT** -1036 COUNTER 1056-**REST OF** MESSAGE SMS MODE? -1048 YES NO PARSE SMS MESSAGE -1068 1060 1072-LF OR CR YES DISC\_LINK? 1080 OR FULL? YES NO 1076 NO 1064 MODE =

**BUFFER CHAR** 

IDLE MODE

COMR

SEND MESSAGE TO COMA



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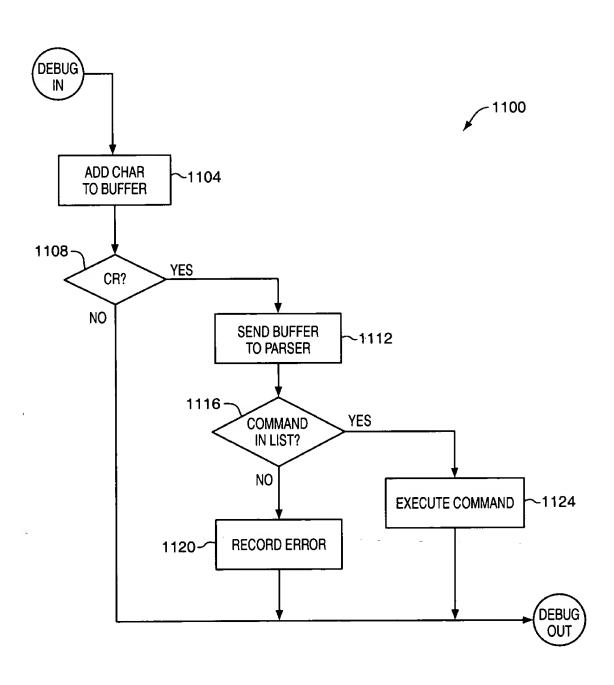


FIG. 11



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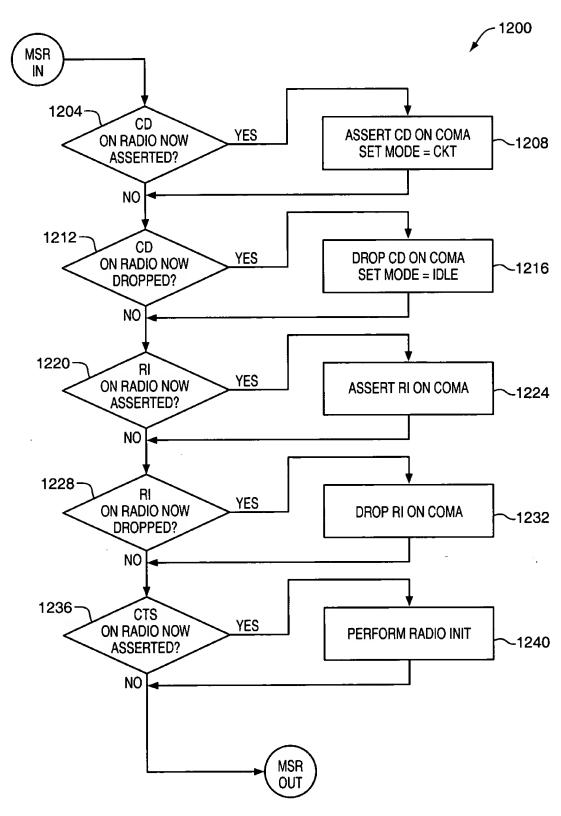


FIG. 12

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1304

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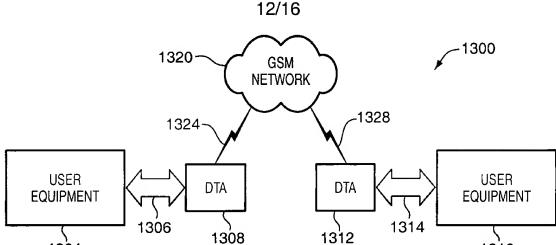


FIG. 13A

1316

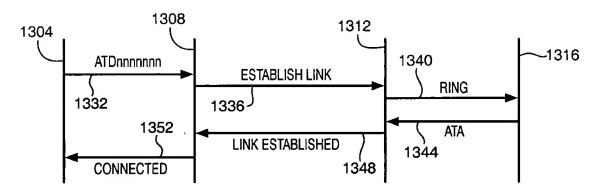
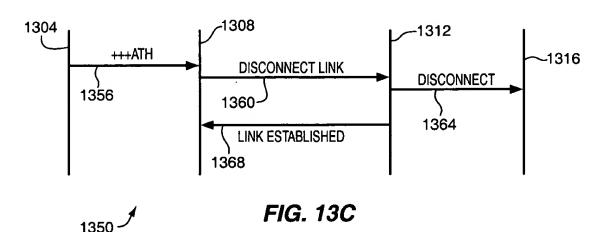


FIG. 13B



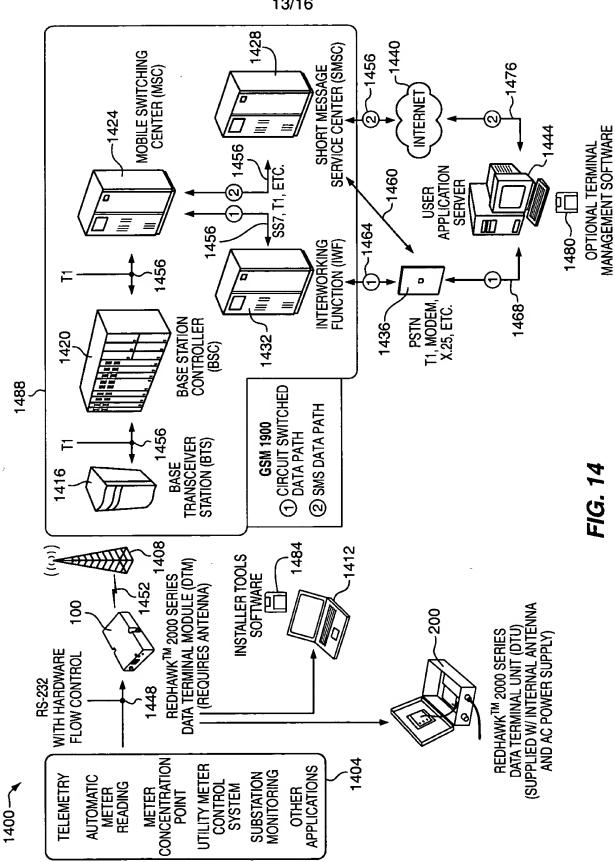
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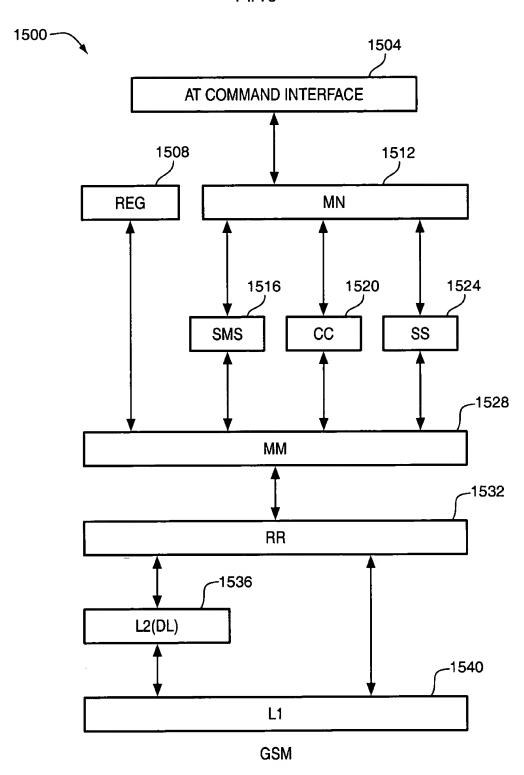


FIG. 15A

Title: "Data Collection System"

Inventors: Monroe et al. Application No.: 09/400,624 Docket No.: 42P11599 Blakely, Sokoloff, Taylor & Zafman 303-740-1980 15/16 1504 1580-AT COMMAND INTERFACE API -1544 1508 1512 1548 **SNDCP REG** MN 1552 1556 **GSMS** SM -1560 **GMM** LLC 1564 1568

GRR

1568

GRR

1572

RLC/MAC

L1

GPRS CLASS C

FIG. 15B

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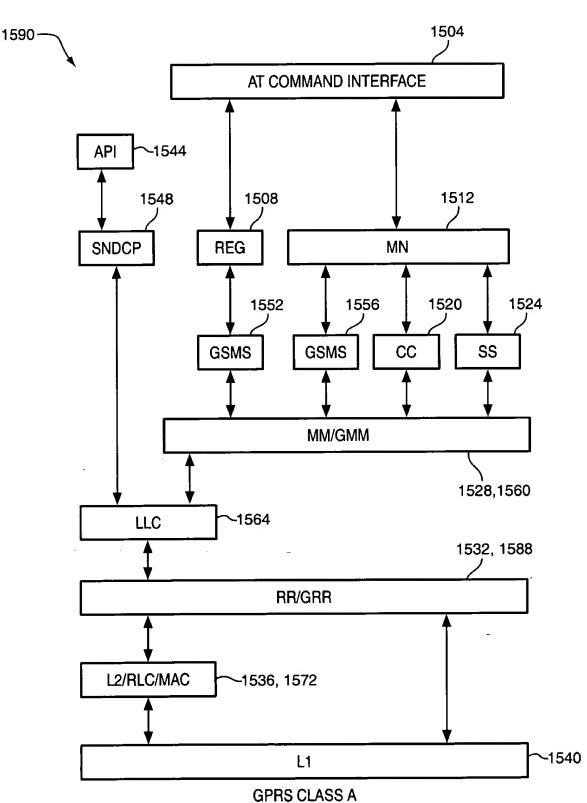


FIG. 15c